

AMENDMENTS TO THE SPECIFICATION:

Please replace paragraphs [0023] to [0025] with the following amended paragraphs:

[0023] With reference to FIG. 2, there is shown a side elevational schematic view of a basic feeder assembly **30**, incorporating aspects of the present exemplary embodiment. The basic components of the feeder assembly **30** include a stack of sheets **52** in a sheet support tray **54**, multiple tray elevators **56, 58**, a stack height sensor **60**, a take away roll **62**, at least one sheet fluffer (or blower) **64**, and a vacuum feed head **66**. The feed head **66** includes an acquisition surface **68**. The fluffer **64** blows air at the top sheets of paper in the stack **52**. This is done to separate the sheets from the stack **52** and to make them more easily acquired by the feed head **66**. The air pressure of the fluffer **64** is typically controlled to a predetermined value. The speed of the blower motor **70** for the tray **54** is preset via the brushless DC blower motor input voltage level, while the air flow is metered through a stepper controlled restriction valve (~~not shown~~)**65** to different levels. These levels correspond to the levels needed for light to heavy weight paper requirements.

[0024] The substrate feeder module **14** includes a heater (~~not shown~~)**67** for preheating the fluffer air and assisting in sheet separation. The heater is generally enabled to be turned on and off, since they are only allowed to be "on" if air is ~~not~~ moving through them.

[0025] The substrate feeder module **14** preferably employs shuttle feeder technology, which at a simplified level is merely using vacuum corrugated feeders that physically translate the sheet from the stack to the takeaway rolls. The vacuum feed level is a significant feeding control parameter. For example, the vacuum may be supplied from individual brushless DC blowers **69** for each feed head **66**. There is typically a stepper motor controlled vacuum valve **71** in the vacuum duct between the fluffer **64** and the feed head **66**, which throttles down or restricts the amount of air that is available at the feed head **66**. This is generally machine controlled, and it is virtually continuously adjustable. The feed vacuum level may be controlled through the vacuum valves.